

## **README for “Alternative Fuels 2008-Present” dataset.**

U.S. Department of Energy (USDOE), National Renewable Energy Laboratory (NREL); U.S. Department of Transportation (USDOT), Bureau of Transportation Statistics (BTS)[distributor]

**2021-04-14**

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### **LINKS TO DATASET**

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A. Dataset archive link:

<https://doi.org/10.21949/1519144>

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### **SUMMARY OF DATASET**

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The Alternative Fueling Stations 2008-Present dataset is from the National Renewable Energy Laboratory (NREL), and part of the U.S. Department of Transportation (USDOT)/Bureau of Transportation Statistics' (BTS's) National Transportation Atlas Database (NTAD). The U.S. Department of Energy collects this data in partnership with Clean Cities coalitions and their stakeholders to help fleets and consumers find alternative fueling stations. Clean Cities coalitions foster the nation's economic, environmental, and energy security by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices. This data can be found on the Alternative Fuels Data Center: <https://doi.org/10.21949/1519144>.

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## A. GENERAL INFORMATION

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0. Title of Dataset:

Alternative Fuels 2008-Present [datasets]

1. Description of Dataset:

The Alternative Fueling Stations 2008- Present dataset is from the National Renewable Energy Laboratory (NREL), and part of the U.S. Department of Transportation (USDOT)/Bureau of Transportation Statistics' (BTS's) National Transportation Atlas Database (NTAD). The U.S. Department of Energy collects this data in partnership with Clean Cities coalitions and their stakeholders to help fleets and consumers find alternative fueling stations. Clean Cities coalitions foster the nation's economic, environmental, and energy security by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices. This data can be found on the Alternative Fuels Data Center: <https://doi.org/10.21949/1519144>.

2. Dataset archive link:

<https://doi.org/10.21949/1519144>

3. Authorship Information:

Principal Data Creator or Data Manager Contact Information

Institution: National Renewable Energy Laboratory (NREL), U.S. Environmental Protection Agency  
Address: 15013 Denver W Pkwy, Golden CO 80401  
Email: [service.center@nrel.gov](mailto:service.center@nrel.gov)

Data Distributor Contact Information

Name: National Transportation Atlas Database (NTAD)  
Institution: U.S. Department of Transportation, Bureau of Transportation Statistics (BTS), The Office of Spatial Analysis and Visualization (OSAV)  
Address: 1200 New Jersey Ave. SE, Washington D.C. 20590  
Email: [ntad@dot.gov](mailto:ntad@dot.gov)

4. Date of data collection and update interval:

Quarterly

5. Geographic location of data collection:

United States of America.

6. Information about funding sources that supported the collection of the data:

U.S. Environmental Protection Agency, National Renewable Energy Laboratory (NREL)

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## B. SHARING/ACCESS & POLICIES INFORMATION

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0. Recommended citation for the data:

U.S. Environmental Protection Agency, National Renewable Energy Laboratory (NREL), U.S. Department of Transportation, Bureau of Transportation Statistics (BTS)[distributor]. (2020). Alternative Fuels [datasets]. <https://doi.org/10.21949/1519144>

1. Licenses/restrictions placed on the data:

These data are in the Public Domain.

2. Was data derived from another source?:

No.

3. This document was created to meet the requirements enumerated in the U.S. Department of Transportation's 'Plan to Increase Public Access to the Results of Federally-Funded Scientific Research' Version 1.1 << <https://doi.org/10.21949/1520559> >> and guidelines suggested by the DOT Public Access website << <https://doi.org/10.21949/1503647> >>, in effect and current as of December 03, 2020.

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## C. DATA & RELATED FILE OVERVIEW

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### 1. File List for the bts\_Altfuels\_202104.zip collection

#### A. Filename:

altfuels\_XXXX.zip

#### Short description:

Compressed file folders containing the geospatial data for Alternative Fueling Stations 2008 Present dataset. Listed below are the names of the compressed file folders, classified by vintage date: altfuels\_2008.zip, altfuels\_2013.zip, altfuels\_2014.zip, altfuels\_2015.zip

#### B. Filename:

bts\_Altfuels\_DMP\_20210414.pdf

#### Short description:

A PDF file containing the Data Management Plan that was created for current and future management of the data and associated files.

#### C. Filename:

bts\_Altfuels\_20210414\_README.txt

#### Short description:

The README.txt file that includes human-readable information about the data, variable definitions, contact information, and other contextual information. The file you are reading now.

### 2. File List for the altfuels\_XXXX.zip collection

#### A. Filename:

altfuels.shp

#### Short description:

A shapefile containing the geospatial data for Alternative Fueling Stations 2008-Present dataset. This includes associated files with extensions .prj, .dbf, .sbn, .sbx, .shx.

#### B. Filename:

altfuels.txt

#### Short description:

A text file containing key metadata and documentation information such as methodology, procedures, data dictionary, etc.

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## **D. METHODOLOGICAL INFORMATION**

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### **1. Description of methods used for collection/generation of data:**

The data in the Alternative Fuels 2008-Present dataset are gathered and verified through a variety of methods. The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, the Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups. Existing stations in the database are contacted at least once a year on an established schedule to verify they are still operational and providing the fuel specified. Based on an established data collection schedule, the database is updated on an ongoing basis. For many electric vehicle charging stations, the Station Locator imports data directly from charging networks on a daily basis. Learn more about the data collection methods at [https://afdc.energy.gov/stations/#/find/nearest?show\\_about=true](https://afdc.energy.gov/stations/#/find/nearest?show_about=true).

### **2. Instrument- or software-specific information needed to interpret the data:**

The data and documentation files can be opened with Esri ArcMap and any GIS software package.

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## **E. DATA-SPECIFIC INFORMATION**

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### **1. XXXXXX data table**

Data is updated quarterly. Dataset Manager is contacted to verify changes to data resulting in NTAD update. The metadata is updated in the same manner. For the most recent data, please visit the NTAD catalog at <https://data-usdot.opendata.arcgis.com/>

### **A. Number of variables (columns):**

The data dictionary found in (PDF documentation) provides definitions for the variables

### **B. Data Dictionary/Variable List:**

Because of the large number of variables, please refer to the Data Dictionary found within the file `altfuels.txt` for names, definitions, and formats of variables.

### **C. Missing data codes:**

None

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## **F. UPDATE LOG**

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This bts\_Altfuels\_20210414\_README.txt file was originally created on 2021-04-14 by Dominic Menegus, Geographer, dominic.menegus@dot.gov

[Note changes or update to the readme.txt file, e.g.:]

2021-04-14: Original file created